

Commercial Testing Laboratory
 Department of Polymer & Petrochemical Engineering
 NED University of Engineering & Technology
Testing Charges of Polymeric Materials (Plastics, Rubbers, Foams, Adhesives, Pastes etc.)
 With effect from 15th February 2021

S. No.	Tests	Charges	Remarks	
Physical Properties				
1.	Density	2,500/-		
2.	Viscosity	Brookfield	3,500/-	
		Ubbelohde	4,000/-	
Mechanical Properties*				
3.	Shore-Hardness	3,000/-		
4.	Tensile Strength & Elongation	4,500/-	+ 2000/- for preparing molded sample	
5.	Flexural Strength	5,000/-		
6.	Compression Test (including rigid and flexible foams)	4,500/-		
7.	Compression Set	6,000/-	22 hrs at 70°C	
		9,500/-	70 hrs at 100°C	
8.	Tear Strength	5,000/-		
9.	Peel / Adhesive Strength	5,000/-		
10.	Shear strength	5,000/-	+ 3000/- for preparing sample	
11.	Izod/Charpy Impact Test	5,000/-	Rs. 2,000/- will be charged for the preparation of molded sample	
12.	Falling Dart Impact test	5,000/-		
Thermal Properties				
13.	MFI	5,000/-		
14.	DSC (Glass transition, Melting point, Crystallinity, etc.)	8,000/-		
15.	TGA	(Thermal decomposition, Mass loss, Filler content)	8,000/-	
		(Oxidative degradation, Compositional analysis etc.)	12,000/-	
16.	Stress relaxation (To determine the life of a seal)	24,000/-	for a 72 hour test	
17.	Moving Die Rheometer (Cure kinetics of a rubber)	8,000/-		
18.	Ageing test for flexible PVC, Rubber & Elastomer	7,000/-	Up-to 70°C for 24 hrs	
		9,500/-	Up-to 70°C for 48 hrs	
19.	Ageing test for Rubber & Elastomer	7,000/-	Up-to 100°C for 24 hrs	
		10,000/-	Up-to 100°C for 48 hrs	
		16,000/-	Up-to 100°C for 72 hrs	
20.	Oil Resistance test for rubber (up-to 70°C)	22 Hrs. 5000+	48 Hrs. 7500+	72 Hrs. 10000+
	i. Change in Dimension	2,500/-	2,500/-	2,500/-
	ii. Change in Weight & Volume	2,500/-	2,500/-	2,500/-
	iii. Change in Tensile Strength & Elongation	4,500/-	4,500/-	4,500/-
	iv. Change in Hardness	2,500/-	2,500/-	2,500/-
21.	Water Absorption Test	6,500/-	for 7 Days at 70°C	
Identification of materials				
22.	FTIR	6,500/-		
23.	Plasticizer content in PVC	6,500/-		
Processing of polymers				
24.	Compounding upto 2 kg	6,000/-		
25.	Extrusion	7,000/-	per 20 kg	
26.	Extrusion plus pelletization	8,500/-	per 20 kg	
27.	Film Blowing	18,500/-	per 50 kg	
28.	Thermoforming		Charges depend upon the size and quantity of the pieces	

Testing Charges of Petrochemicals

S. No.	Tests	Charges	Remarks
1.	Specific gravity of light hydrocarbons by using Hydrometer.	3,000/-	
2.	Reid vapor pressure	4,500/-	
3.	Pour Point	4,500/-	
4.	Aniline Point	4,500/-	
5.	Conradson carbon	5,000/-	
6.	Smoke point	2,500/-	
7.	Florescent Indicator	5,000/-	For 2 hours
8.	Oxidation stability	5,000/-	For 8 hours
9.	Corrosion Test	7,500/-	
10.	Penetrometer	4,000/-	
11.	Atmospheric distillation	6,500/-	
12.	Flash point	3,500/-	
13.	Calorific value	5,500/-	
14.	Vacuum distillation	8,500/-	

Note:

- Taxes will be applied on charges
- All charges are for the test results only. Interpretation or analysis of results may be charged extra.

(Dr. Saud Hashmi)