

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 21st October 2019

S. No.	Tests	Charges	Remarks		
Physical Properties					
1.	Density	2,000/-			
2.	Viscosity	Brookfield	2,500/-		
		Ubbelohde	3,000/-		
Mechanical Properties*					
3.	Shore-Hardness	1500/-			
4.	Tensile Strength & Elongation	3,500/-	+ 2000/- for preparing molded sample		
5.	Flexural Strength	3,500/-			
6.	Compression Test (including rigid and flexible foams)	3,500/-			
7.	Compression Set	4,000/-	22 hrs at 70°C		
		8,000/-	70 hrs at 100°C		
8.	Tear Strength	3,500/-			
9.	Peel / Adhesive Strength	3,500/-			
10.	Shear strength	3,500/-	+ 3000/- for preparing sample		
11.	Izod/Charpy Impact Test	3,500/-	Rs. 2,000/- will be charged for the preparation of molded sample		
12.	Falling Dart Impact test	3,500/-			
Thermal Properties					
13.	MFI	3,500/-			
14.	DSC (Glass transition, Melting point, Crystallinity, etc.)	6,500/-			
15.	TGA	(Thermal decomposition, Mass loss, Filler content)	5,500/-		
		(Oxidative degradation, Compositional analysis etc.)	6,500/-		
16.	Stress relaxation (To determine the life of a seal)	18,000/-	for a 72 hour test		
17.	Moving Die Rheometer (Cure kinetics of a rubber)	6,000/-			
18.	Ageing test for flexible PVC, Rubber & Elastomer	5,000/-	Up-to 70°C for 24 hrs		
		7,000/-	Up-to 70°C for 48 hrs		
19.	Ageing test for Rubber & Elastomer	5,000/-	Up-to 100°C for 24 hrs		
		7,500/-	Up-to 100°C for 48 hrs		
		10,000/-	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	1500/-	1500/-	1500/-	
	ii. Change in Weight & Volume	1500/-	1500/-	1500/-	
	iii. Change in Tensile Strength & Elongation	3000/-	3000/-	3000/-	
	iv. Change in Hardness	1500/-	1500/-	1500/-	
21.	Water Absorption Test	4500/-	for 7 Days at 70°C		
Identification of materials					
22.	FTIR	5,500/-			
23.	Plasticizer content in PVC	5,500/-			
Processing of polymers					
24.	Compounding upto 2 kg	4,500/-			
25.	Extrusion	5,000/-	per 20 kg		
26.	Extrusion plus pelletization	6,500/-	per 20 kg		
27.	Film Blowing	15,000/-	per 50 kg		
28.	Thermoforming		Charges depend upon the size and quantity of the pieces		

Note: All charges are for the test results only. Interpretation or analysis of results may be charged extra.

Testing Charges of Petrochemicals

S. No.	Tests	Charges	Remarks
1.	Specific gravity of light hydrocarbons by using Hydrometer.	2000/-	
2.	Reid vapor pressure	3500/-	
3.	Pour Point	3000/-	
4.	Aniline Point	3000/-	
5.	Conradson carbon	2500/-	
6.	Smoke point	1500/-	
7.	Florescent Indicator	4000/-	For 2 hours
8.	Oxidation stability	4000/-	For 8 hours
9.	Corrosion Test	5000/-	
10.	Penetrometer	3000/-	
11.	Atmospheric distillation	4500/-	
12.	Flash point	2500/-	
13.	Calorific value	4000/-	
14.	Vacuum distillation	5500/-	

(Prof. Dr. Kausar Ali Syed)