

PLASTOMER® 1075B/N

Thermoplastic Elastomer

SK Corporation

Product Description

PLASTOMER® 1075B/N is a general purpose grade well suitable for a wide range of extrusion and injection molding applications in automotive, appliances, household electric parts and building industry. PLASTOMER® 1075B/N is fully cured and recyclable.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• General Purpose	• Recyclable Material	
Uses	• Appliance Components • Automotive Applications	• Hose • Household Goods	• Sheet
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.968 g/cm ³	ASTM D792
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	10.8 MPa	ASTM D638
Elastomers	Nominal Value Unit	Test Method
Tensile Set (100% Strain)	11 %	ASTM D412
Tensile Stress (100% Strain)	3.63 MPa	ASTM D412
Tensile Elongation (Break)	500 %	ASTM D412
Tear Strength	39.2 kN/m	ASTM D624
Compression Set		ASTM D395
23°C, 168 hr	25 %	
120°C, 70.0 hr	45 %	
Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	75	ASTM D2240
Thermal	Nominal Value Unit	Test Method
Brittleness Temperature	-60.0 °C	ASTM D746

Additional Information

Shrinkage Ratio, SK Method: 17 1/1000