

Technical Data Sheet

Network Polymers Ps HIPS 90 0304

High Impact Polystyrene
LyondellBasell Industries
Engineering Plastics

General			
Features	• Ultra High Impact Resistance		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	2.4 g/10 min	2.4 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4130 psi	28.4 MPa	ASTM D638
Tensile Elongation (Break)	35 %	35 %	ASTM D638
Flexural Modulus	325000 psi	2240 MPa	ASTM D790
Flexural Strength	7110 psi	49.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Injection Molded)	4.0 ft·lb/in	210 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	180 °F	82.2 °C	ASTM D648
Vicat Softening Temperature	218 °F	103 °C	ASTM D1525
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm)	HB	HB	
0.12 In (3.0 Mm)	HB	HB	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (60°)	85	85	ASTM D2457

Notes

These are typical property values not to be construed as specification limits.