

Technical Data Sheet
DuraGrip® DGX 7390
 Thermoplastic Elastomer
 Engineering Plastics



Product Description

DuraGrip® DGX 7390 is designed for overmolding onto a wide variety of thermoplastic substrates including ABS, PC, Nylon 6, Nylon 6/6, glass filled Nylon, ASA, and alloys. It is easy to use in injection molding and extrusion processes. DGX 7390 is designed for optimum UV stability and has excellent elastomeric properties. Duragrip bonding grades are hygroscopic and drying is recommended for best results (160F for 3 hours)

General

Features	• Good Adhesion	• Good Colorability	• UV Stabilized
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.08	1.08 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/8.7 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238

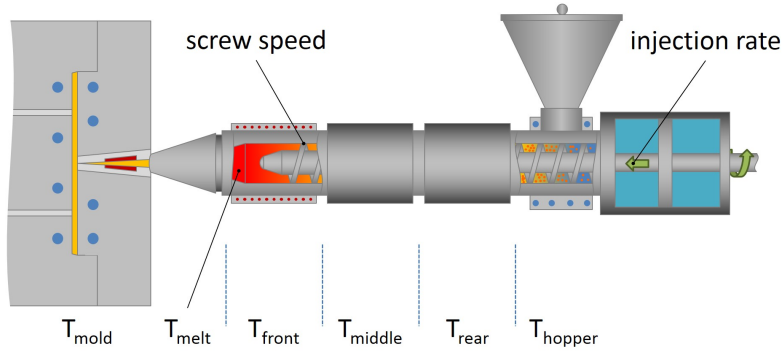
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress			ASTM D412
100% Strain	435 psi	3.00 MPa	
300% Strain	660 psi	4.55 MPa	
Tensile Strength (Yield, 73°F (23°C))	675 psi	4.65 MPa	ASTM D412
Tensile Elongation (Break)	350 %	350 %	ASTM D412
Tear Strength ¹ (75°F (24°C))	176 lbf/in	30.8 kN/m	ASTM D624

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 10 sec)	55	55	ASTM D2240

Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (374°F (190°C), 300 sec ⁻¹)	526 Pa·s	526 Pa·s	ASTM D3835

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 °F	71 °C
Drying Time	3.0 hr	3.0 hr

Notes

¹ Die C

Notes

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