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/cm³	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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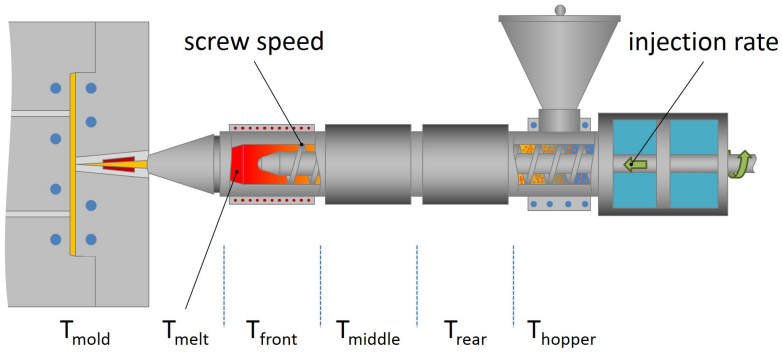

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 °F	71 °C
Drying Time	3.0 hr	3.0 hr

Notes

[1] Die C

Notes

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