OnColor™ CPD-P BLUE/46P-053/132096-25

Thermoplastic Elastomer

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Forms	• Pellets

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20	ASTM D792
Molding Shrinkage - Flow	8.0E-3 to 0.015 in/in	0.80 to 1.5 %	ASTM D955
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus - 100% Secant	1020 psi	7.00 MPa	ASTM D638
Tensile Strength (Break)	3920 psi	27.0 MPa	ASTM D638
Tensile Elongation (Break)	580 %	580 %	ASTM D638
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (15 sec)	85 to 90	85 to 90	ISO 868

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature - Desiccant Dryer	176 °F	80 °C
Drying Time - Desiccant Dryer	2.0 hr	2.0 hr
Suggested Max Moisture	0.10 %	0.10 %
Processing (Melt) Temp	356 to 428 °F	180 to 220 °C
Mold Temperature	68 to 104 °F	20 to 40 °C

Notes

[1] Typical values are not to be construed as specifications.

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