LNP™ COLORCOMP™ Compound 9X99415

TPE | Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP COLORCOMP 9X99415 compound is based on Polyether Block Amide resin.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**1.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.5**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**390**	MPa	ISO 527
Yield stress	**22**	MPa	ISO 527
Yield strain	**20**	%	ISO 527
Strain at break	**50**	%	ISO 527
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**120**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**20**	kJ/m²	ISO 179/1eA
Shore D hardness	**61**	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**172**	°C	ISO 11357-1/-3
Vicat softening temperature, B	**164**	°C	ISO 306

Other properties	Value	Unit	Test Standard
Humidity absorption	**1.1**	%	Sim. to ISO 62
Density	**1010**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**260**	°C	-
Mold temperature	**164**	°C	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific