LNP™ COLORCOMP™ COMPOUND 9X99415

DESCRIPTION

LNP™ Colorcomp™ 9X99415 is a polyether block amide.

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	22	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	20	%	ISO 527
Tensile Strain, break, 50 mm/min	≥50	%	ISO 527
Tensile Modulus, 1 mm/min	390	MPa	ISO 527
Hardness, Shore D	61	-	ISO 868
IMPACT			
Charpy 23°C, Unnotch Edgew 80*10*4 sp=62mm	NB	kJ/m²	ISO 179/1eU
Charpy -30°C, Unnotch Edgew 80*10*4 sp=62mm	NB	kJ/m²	ISO 179/1eU
Charpy 23°C, V-notch Edgew 80*10*4 sp=62mm	120	kJ/m²	ISO 179/1eA
Charpy -30°C, V-notch Edgew 80*10*4 sp=62mm	20	kJ/m²	ISO 179/1eA
THERMAL			
Melting Temperature	172	°C	ISO 11357-3
Vicat Softening Temp, Rate B/50	164	°C	ISO 306
PHYSICAL			
Density	1.01	g/cm³	ISO 1183
Moisture Absorption (23°C / 50% RH)	1.1	%	ISO 62
Water Absorption, 23°C/24hrs	0.7	%	ISO 62-1
Mold Shrinkage, flow, 24 hrs	1.2	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.5	%	ISO 294
INJECTION MOLDING			
Melt Temperature	260	°C	
Mold Temperature	164	°C	

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