NORYL™ PPE POWDERS + CONCENTRATES 6390H

REGION EUROPE

DESCRIPTION

NORYL™ 6390H resin concentrate is an non-reinforced blend of polyphenylene ether (PPE) + general purpose polystyrene (GPPS). This material is in granule form and is optimized for blending with polystyrene resins. NORYL 6390H resin may be an excellent candidate in microwavable food packaging applications. This product is not certified per food contact regulations in US + EUR. Certification would be dependent on end-part testing.

TYPICAL PROPERTY VALUES

Revision 20190508

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	81	MPa	ISO 527
Tensile Stress, break, 50 mm/min	77	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	5	%	ISO 527
Tensile Strain, break, 50 mm/min	7	%	ISO 527
Tensile Modulus, 1 mm/min	2500	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	115	MPa	ISO 178
Flexural Modulus, 2 mm/min	2600	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	5	kJ/m²	ISO 180/1A
THERMAL			
Vicat Softening Temp, Rate B/120	191	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	165	°C	ISO 75/Af
PHYSICAL			
Density	1.07	g/cm³	ISO 1183
Matrix Tg	198	°C	DMA
Melt Volume Rate, MVR at 280°C/10.0 kg	4	cm³/10 min	ISO 1133
Melt Volume Rate, MVR at 280°C/21.6 kg	10	cm³/10 min	ISO 1133

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