LNP™ COLORCOMP™ COMPOUND MX05486

DESCRIPTION

LNP COLORCOMP MX05486 compound is based on Polypropylene (PP) resin. Added features of this grade include: Low Extractables.

GENERAL INFORMATION	
Features	Aesthetics/Visual effects, Food contact, No PFAS intentionally added
Fillers	Unreinforced
Polymer Types	Polypropylene, Unspecified (PP, Unspecified)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Water Management
Consumer	Home Appliances
Packaging	Industrial Packaging, Food & Beverage

TYPICAL PROPERTY VALUES

Revision 20260428

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, yld, Type I, 50 mm/min	31	MPa	ASTM D638
Tensile Strain, yld, Type I, 50 mm/min	12	%	ASTM D638
Flexural Modulus, 1.3 mm/min, 50 mm span	1170	MPa	ASTM D790
IMPACT [1]			
Izod Impact, notched, 23°C	32	J/m	ASTM D256
THERMAL [1]			
HDT, 0.45 MPa, 3.2 mm, unannealed	88	°C	ASTM D648
PHYSICAL [1]			
Melt Flow Rate			
230°C/2.16 kgf	35	g/10 min	ASTM D1238
200°C/3.8 kgf	0	g/10 min	ASTM D1238
Melt Volume Rate			
260°C/2.16 kg	0	cm³/10 min	ISO 1133
Specific Gravity	0.9	-	ASTM D792
INJECTION MOLDING [2]			
Drying Time	3 – 4	Hrs	
Melt Temperature	215 – 220	°C	
Rear - Zone 1 Temperature	195 – 205	°C	
Middle - Zone 2 Temperature	200 – 210	°C	
Front - Zone 3 Temperature	205 – 215	°C	
Mold Temperature	30 – 50	°C	
Back Pressure	0.2 – 0.3	MPa	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Screw Speed	30 – 60	rpm	

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.

(2) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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