LNP™ COLORCOMP™ COMPOUND CQ518811

DESCRIPTION

LNPTM COLORCOMPTM COMPOUND CQ518811-NC is a GPPS based masterbatch for XPS foaming applications containing a nanostructured, non-mineral based additive. Typical usage levels in final foam formulations are below 5%.

GENERAL INFORMATION	
Features	Good Processability, Low Specific Gravity
Fillers	Unreinforced
Polymer Types	Polystyrene (PS)
Processing Techniques	Foam Extrusion

INDUSTRY	SUB INDUSTRY
Industrial	Industrial General

TYPICAL PROPERTY VALUES

Revision 20260326

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
THERMAL [1]			
Glass Transition Temperature (Tg)	102	°C	ISO 11357-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	92	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	79	°C	ISO 75/Af
Vicat Softening Temp, Rate B/50	97	°C	ISO 306
Vicat Softening Temp, Rate B/120	98	°C	ISO 306
HDT, 1.82 MPa, 3.2mm, unannealed	92	°C	ASTM D648
HDT, 0.45 MPa, 3.2 mm, unannealed	80	°C	ASTM D648
Vicat Softening Temp, Rate B/50	97	°C	ASTM D1525
Vicat Softening Temp, Rate B/120	98	°C	ASTM D1525
PHYSICAL [1]			
Melt Volume Rate			
230°C/5.0 kg	22	cm³/10 min	ISO 1133
Density	1.056	g/cm³	ISO 1183
EXTRUSION			
Drying Temperature	80	°C	
Drying Time	2 – 4	Hrs	
Melt Temperature	180 – 240	°C	
Die Temperature	80 – 140	°C	

(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.

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