

# LNPT<sup>™</sup> COLORCOMP<sup>™</sup> COMPOUND WQ117945

## DESCRIPTION

LNP COLORCOMP COMPOUND WQ117945 is a PET based masterbatch for foaming applications containing a nanostructured, non-mineral based additive. Typical usage levels in final foam formulations are below 5%.

## TYPICAL PROPERTY VALUES

Revision 20241028

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>THERMAL</b>			
Glass Transition Temperature (T <sub>g</sub> )	79	°C	ISO 11357-2
Melting Temperature (T <sub>m</sub> )	250	°C	ISO 11357-3
Crystallinity <sup>(1)</sup>	32	%	-
Ash Content <sup>(2)</sup>	<0.05	%	ISO 3451
<b>PHYSICAL</b>			
Melt Volume Rate, MVR at 260°C/ 1.2 kg	25	cm <sup>3</sup> /10 min	ISO 1133
Bulk Density <sup>(3)</sup>	0.7	g/cm <sup>3</sup>	ASTM D1895
Density <sup>(4)</sup>	1.06	g/cm <sup>3</sup>	ASTM D1505

(1) Crystallinity in pellets

(2) 1 hour at 600 °C

(3) Pour Density

(4) Pellet Density

## PROCESSING CONDITIONS

Processing	Values
Maximum melt temperature	300 °C
Drying Temperature	150-160 °C
Drying time	6-12 hours
Dew Point of Drying Air	< -20 °C
AirFlow Rate	2.2 m <sup>3</sup> /h/kg

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