

Shandong Rike Chemical HELI,ç HLC-2235 PVC Impact Modifier-CPE Series

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Mechanism of Impact ModificationIt is found by research that the weak impact strength of PVC under lower temperature is mainly caused by stronger intermolecular force of PVC. Owing to stronger intermolecular force, when PVC products are impacted, the relative displacement between PVC molecules is hard to take place, thus impact energy can not be effectively transferred into internal friction heat, resulting in the breaking of PVC materials. But owing to higher glass temperature and worse dispersibility of CPE, thus low temperature impact strength of CPE is not ideal. Moreover, due to heat stabilizers in PVC blend can not permeate into CPE, therefore CPE which is filled in PVC compound is easy to decompose, so that the heat stability of PVC products modified by CPE is very worse. Thus, the key questions to improve the PVC impact strength is how to largely reduce the PVC intermolecular force and so that increasing the speed that the PVC impact energy transfers into the heat energy.

Properties: Good flexibility, quick fusion promotion

Applications: High-speed extrusion for PVC profile and pipe

Information Provided by Shandong Rike Chemical Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shandong-Rike-Chemical-HELI-HLC-2235-PVC-Impact-Modifier-CPE-Series.php

Physical Properties	Metric	English	Comments
Bulk Density	0.450 - 0.520 g/cc	0.0163 - 0.0188 lb/in ³	
Volatiles	<= 0.40 %	<= 0.40 %	
Particle Size	900 Åµm	900 Åµm	<2%

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	<= 60	<= 60	
Tensile Strength	6.00 MPa	870 psi	
Elongation at Break	>= 800 %	>= 800 %	

Component Elements Properties	Metric	English	Comments
Chlorine, Cl	33 - 37 %	33 - 37 %	

Descriptive Properties	Value	Comments
Appearance	White powder	
Colored Particles (Pcs/100g)	<60	

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