

ACC EP 2KSP EPI Engineered Polymers Silicone Modified Polyurea

Category : Polymer , Thermoset , Silicone

Material Notes:

EP 2KSP Polyurea, "Powered by Reactamine® Technology", is a 2 Component polyurea that reacts with aliphatic isocyanates to produce a high gloss, chemical resistant coating EP 2KSP can be used on a variety of substrates such as bed liners, concrete, wood, metal and plastic for interior and exterior applications. EP 2KSP should be sprayed on bed liners, but can be rolled or sprayed on other surfaces at about 3-4 mils. Key Benefits include: High gloss, Excellent chemical resistance, Quick drying, Excellent surface hardness, Excellent compatibility with polyurethane dispersions and other acrylic emulsions. Coalescing Solvents: Butyl glycol, Butyl diglycol, Dowanol DPM, Dowanol PM, Dowanol DPnB, Dowanol TPnB, Dowanol PnB, propylene glycol butyl-acetate, Propylene glycol, NMP, Methoxybutanol, Ethanol, Lusolvan FBH, Proglide DMM. Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-EP-2KSP-EPI-Engineered-Polymers-Silicone-Modified-Polyurea.php

Physical Properties	Metric	English	Comments
Density	0.143 g/cc	0.00516 lb/in ³	
	1.07 g/cc	0.0387 lb/in ³	
Solids Content	35 %	35 %	
pH	7.5 - 8.5	7.5 - 8.5	
Brookfield Viscosity	40 - 100 cP	40 - 100 cP	RVT, Spindle 2, 20 rpm

Mechanical Properties	Metric	English	Comments
Abrasion	4.7	4.7	mg loss

Processing Properties	Metric	English	Comments
Processing Temperature	17.0 °C	62.6 °F	Minimum Film Formation Temperature
Cure Time	<= 60.0 min	<= 1.00 hour	
	@Thickness 0.152 mm, Temperature 75.0 °C	@Thickness 0.00600 in, Temperature 167 °F	
Pot Life	<= 60 min	<= 60 min	

Descriptive Properties	Value	Comments
Color	Clear	
Hot Tire	No Stain	
Plasticizer (1 hour)	5	0 (Failure)-5 (Excellent)

Descriptive Properties (10 seconds)	Value	Comments 5 (Excellent)
Resistance to Alcohol (1 hour)	4	0 (Failure)-5 (Excellent)
Resistance to Alcohol/Water 1:1 (1 hour)	5	0 (Failure)-5 (Excellent)
Resistance to Ammonia (1 hour)	5	0 (Failure)-5 (Excellent)
Resistance to Brake Fluid (2 hours)	No effect	
Resistance to Brake Fluid (24 hours)	0	0 (Failure)-5 (Excellent)
Resistance to Coffee (16 hours)	5	0 (Failure)-5 (Excellent)
Resistance to Diesel Fuel (24 hours)	No effect	
Resistance to Gasoline	No effect	
Resistance to Motor Oil (24 hours)	No effect	
Resistance to Nivea (16 hours)	5	0 (Failure)-5 (Excellent)
Resistance to Pepsi Cola (24 hours)	No effect	
Resistance to Transmission Fluid (24 hours)	No effect	
Resistance to Water (16 hours)	5	0 (Failure)-5 (Excellent)
Stabilization	Anionic	

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