

## The Chemical Company ChemFlexx™ 206 Phthalate Plasticizer

Category : Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

Chemflexx 206 is considered to be a "functional replacement" for linear plasticizers. It is an organic, non-hazardous, liquid, phthalate ester. Chemflexx 206 is a plasticizer for the manufacture of flexible plastics. End use applications include PVC floor coverings, roofing membranes, swimming pool liners and wall coverings, expanded leather, PVC foams, films, sealing and adhesive systems based on poly urethane or polysulphide, soft squeeze toys, balls, vinyl upholstery, tablecloths, shower curtains, raincoats, and a range of other products that must stay flexible for the lifetime of their use. Information provided by The Chemical Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_The-Chemical-Company-ChemFlexx-206-Phthalate-Plasticizer.php](http://www.lookpolymers.com/polymer_The-Chemical-Company-ChemFlexx-206-Phthalate-Plasticizer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.966 - 0.977 g/cc	0.966 - 0.977 g/cc	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	15 sec. delay
	87	87	Instant
Tensile Strength, Ultimate	16.487 MPa	2391.2 psi	oven aged 7 days @ 113°C
	16.8 MPa	2440 psi	
Elongation at Break	16.8 MPa	2440 psi	oven aged 10 days @ 100°C
	329 %	329 %	oven aged 7 days @ 113°C
	354 %	354 %	
100% Modulus	354 %	354 %	oven aged 10 days @ 100°C
	0.01351 GPa	1.959 ksi	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-30.5 °C	-22.9 °F	
Oxygen Index	30 %	30 %	

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.010	<= 0.010	parent acid %
	<= 0.070	<= 0.070	mg KOH/g

Descriptive Properties	Value	Comments
Alcohol Content	= 1000ppm	
Appearance	Clear and free of suspended matter	
Assay	= 99.6%	
Hazen Color Value (pt-co)	= 35	
Weight Loss (%)	1	oven aged 10 days @ 100°C
	4	oven aged 7 days @ 113°C

## Contact Songhan Plastic Technology Co.,Ltd.

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