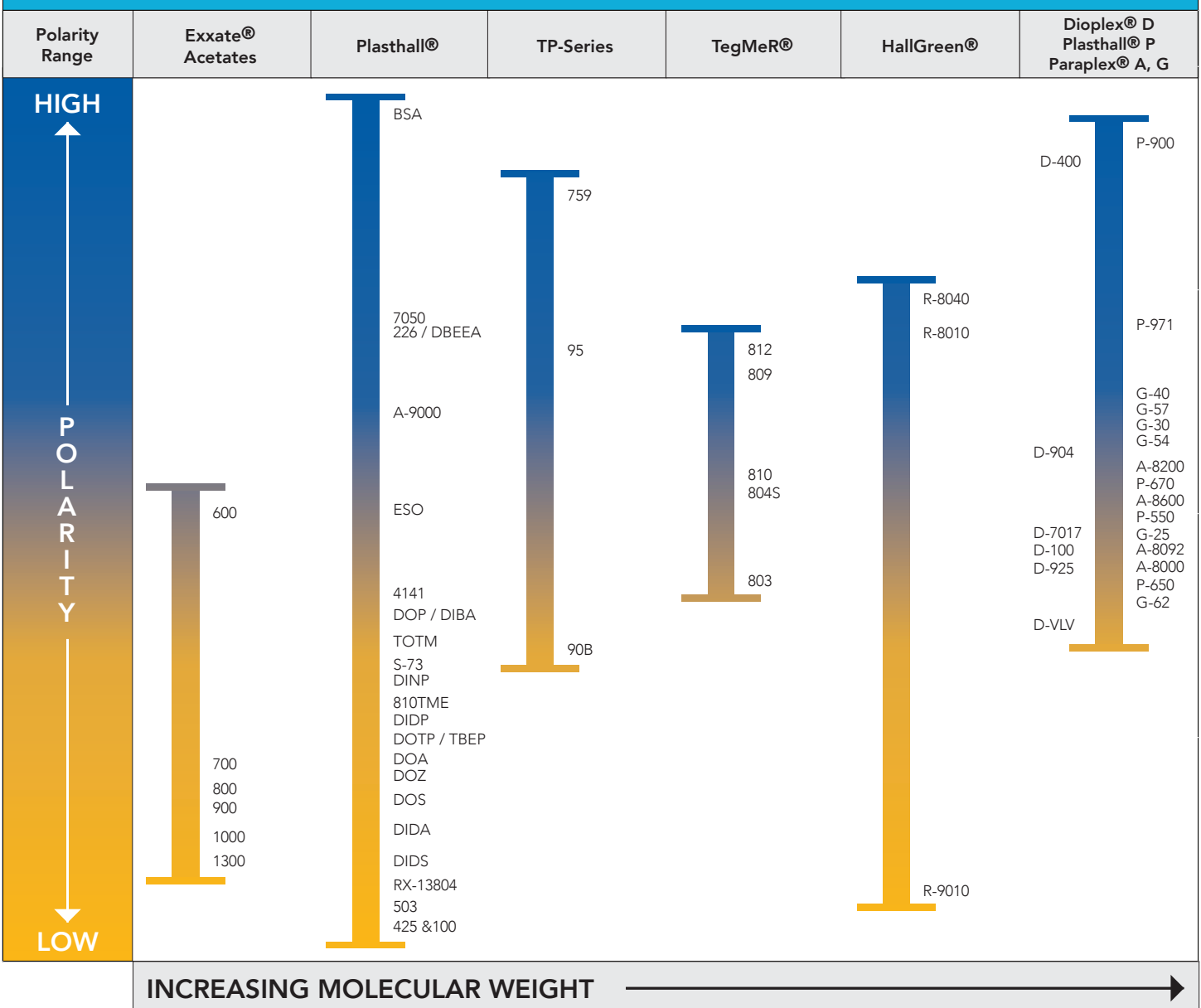


HALLSTAR POLARITY CHART

Plasticizer Brand Names	Exxate®	Plasthall®	TP-Series	TegMeR®	HallGreen®	Dioplex® D Plasthall® P Paraplex® A, G
Description	Acetate Ester Solvents	Monomeric Esters	Monomeric Ether/Ester	Monomeric Ether-Esters	Biobased Esters	Polyester
Applications	Coatings AgChem (EC/EW/OD) Pigment Dispersions	Automotive Underhood Vinyl Film Adhesives Wire & Cable Tires	Automotive Underhood E-Coat	Paints & Coatings Automotive Underhood	Process Aid Biodegradable Resins Adhesives	Vinyl Automotive Interior Wire & Cable Automotive Underhood Adhesives Tapes/Decals
Performance Features	EPA 48 (Organic) Low Hazard Low Odor	Range of Polarity Low Temp. Flexibility	Low Temp. Flexibility Heat Resistance E-Coat Film Build	Nucleating Agent Water Resistance Low Temp. Flexibility	USDA Certified Biobased ASTM D-6400	Improved Durability Extraction Resistance Migration Resistance
Compatible Polymer Systems	Acrylic Epoxy PMMA Polyester Polyurethane	CPE PV(Ac) CR PVC EPDM (H)NBR NBR Nylon	AEM/ACM (H)NBR NBR	AEM/ACM (H)NBR NBR PET PV(Ac)	Cellulose Acetate NBR PHA PLA PVC Starch	(H)NBR NBR PVC

PLASTICIZER POLARITIES



The higher a plasticizer is placed on the chart above, the higher its polarity; the further to the right of the chart, the higher its molecular weight. Plasticizer polarity does not necessarily guarantee compatibility in a polymer/formulation but can be used as a general selection guideline. Please consult a Hallstar Technical Expert for additional guidance.



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